



SEQUENCE LISTING

<110> Fang, Yu
Lee, Ming-Liang
Anderson, Hong C.
Chiu, Chung-Ching

<120> New Strains of Saccharothrix, Process for Producing Pravastatin Using the Strains and Isolation Process of (HMG)-COA Reductase

<130> 004135.P005

<140> US 10/085,871

<141> 2002-02-27

<160> 12

<170> PatentIn version 3.1

<210> 1

<211> 1437

<212> DNA

<213> Saccharothrix 44442

<400> 1

gacgaacgct ggcggcgtgc ttaacacatg caagtcgagc ggtaaggccc ttcgggggtac	60
acgagcggcg aacgggtgag taacacgtgg gtaacctgcc ctgtactccg ggataagcct	120
gggaaactag gtctaatacc ggatacgacc ccatagggca tcttgtgggg tggaaagtgc	180
cggcgggtatg ggatggaccc gcggcctatc agcttgttgg tgggggtgatg gcctaccaag	240
gcgacgacgg gtagccggcc tgagaggggtg accggccaca ctgggactga gacacggccc	300
agactcctac gggaggcagc agtggggaat attgcacaat gggcgaaagc ctgatgcagc	360
gacgccgcgt gagggatgac ggccttcggg ttgtaaacct ctttcagcag ggacgaagcg	420
caagtgcagg tacctgcaga agaagcaccg gctaactacg tgccagcagc cgcggttaata	480
cgtaggggtgc gagcgttgtc cggaattatt gggcgtaaag agctcgtagg cggtttgttg	540
cgtcggccgt gaaaacttca cgtttaacgt ggagcctgcg gtcgatacgg gcagacttga	600
gttcggcagg ggagactgga attcctggtg tagcggtgaa atgcgcagat atcaggagga	660
acaccggtgg cgaaggcggg tctctgggcc gatactgacg ctgaggagcg aaagcgtggg	720
gagcgaacag gattagatac cctggtagtc cacgccgtaa acggtgggtg ctaggtgttg	780
gggacttcca cgctctcgt gccgcagcta acgcattaag caccgcct ggggagtacg	840
gccgcaaggc taaaactcaa aggaattgac gggggcccgc acaagcggcg gagcatgttg	900
attaattcga tgcaacgcga agaaccttac ctgggcttga catgcaccgg aaacctgcag	960
agatgtaggc ctcttcggac tgggtgtacag gtggtgcatg gctgtcgtca gctcgtgtcg	1020
tgagatgttg ggttaagtcc cgcaacgagc gcaaccctcg ttccatgttg ccagcgcgtt	1080

atggcgggga	ctcatgggag	actgccgggg	tcaactcgga	ggaaggtggg	gatgacgtca	1140
agtcatcatg	ccccttatgt	ccagggcttc	acacatgcta	caatggccgg	tacagagggc	1200
tgctaagccg	tgaggtggag	cgaatcccaa	aaagccggtc	tcagttcgga	tcgggggtctg	1260
caactcgacc	ccgtgaagtc	ggagtcgcta	gtaatcgag	atcagcaacg	ctgcggtgaa	1320
tacgttcccc	ggccttgtag	acaccgccc	tcacgtcacg	aaagtcggta	acacccgaag	1380
cccgtggccc	aacccgcaag	ggggggagcg	gtcgaagggtg	ggactggcga	ttggggac	1437

<210> 2
 <211> 1471
 <212> DNA
 <213> Saccharothrix 45494

<400> 2	
gacgaacgct	ggcggcggtgc ttaacacatg caagtcgagc ggtaaggccc ttcgggggtac 60
acgagcggcg	aacgggtgag taacacgtgg gtaacctgcc ctgtactccg ggataagcct 120
gggaaactag	gtctaatacc ggatacgacc ccataaggca tcttggtggg tggaaagttc 180
cggcggtatg	ggatggaccc gcggcctatc agcttggttg tggggtgatg gcctaccaag 240
gcgacgacgg	gtagccggcc tgagaggggtg accggccaca ctgggactga gacacggccc 300
agactcctac	gggaggcagc agtggggaat attgcacaat gggcgaaagc ctgatgcagc 360
gacgccgcgt	gagggatgac ggccttcggg ttgtaaacct ctttcagcag ggacgaagcg 420
caagtgacgg	tacctgcaga agaagcaccg gctaactacg tgccagcagc cgcggtaata 480
cgtaggggtgc	gagcgttgtc cggaattatt gggcgtaaag agctcgtagg cggtttgttg 540
cgtcggccgt	gaaaacttca cgcttaacgt ggagcctgcg gtcgatacgg gcagacttga 600
gttcggcagg	ggagactgga attcctggtg tagcggtgaa atgcgcagat atcaggagga 660
acaccggtgg	cgaaggcggg tctctgggcc gatactgacg ctgaggagcg aaagcgtggg 720
gagcgaacag	gattagatac cctggtagtc cacgccgtaa acggtgggtg ctaggtgttg 780
gggacttcca	cgctctccgt gccgcagcta acgcattaag caccgccctt ggggagtacg 840
gccgcaaggc	taaaactcaa aggaattgac gggggcccgc acaagcggcg gagcatgtgg 900
attaattcga	tgcaacgcga agaaccttac ctgggcttga catgcaccgg aaacctgcag 960
agatgtaggc	ctcttcggac tgggtgtacag gtggtgcatg gctgtcgtca gctcgtgtcg 1020
tgagatgttg	ggttaagtcc cgcaacgagc gcaaccctcg ttccatgttg ccagcgcgtt 1080
atggcgggga	ctcatgggag actgccgggg tcaactcgga ggaaggtggg gatgacgtca 1140
agtcatcatg	ccccttatgt ccagggcttc acacatgcta caatggccgg tacagagggc 1200
tgctaagccg	tgaggtggag cgaatcccaa aaagccggtc tcagttcgga tcgggggtctg 1260

caactcgacc ccgtagaagtc ggagtcgcta gtaatcgag atcagcaacg ctgcggtgaa 1320
 tacgttcccc ggccctgtac acaccgcccg tcacgtcacg aaagtcggtg acaccgaag 1380
 cccgtggccc aaccgcgaag ggggggagcg gtcgaaggcg ggactggcga ttgggacgaa 1440
 gtcgtaacaa ggtagccgta ccggaaggcg c 1471

<210> 3
 <211> 19
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Primer of 16s rDNA of Saccharothrix 44442 and Saccharothrix 45494

<400> 3
 gagtttgatc ctggctcag 19

<210> 4
 <211> 17
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Primer of 16s rDNA of Saccharothrix 44442 and Saccharothrix 45494

<400> 4
 cgggtgtgtrc aaggccc 17

<210> 5
 <211> 16
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Primer of 16s rDNA of Saccharothrix 44442 and Saccharothrix 45494

<400> 5
 gcaacgagcg caaccc 16

<210> 6
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Primer of 16s rDNA of Saccharothrix 44442 and Saccharothrix 45494

<400> 6
 ccgtcaattc atttgagttt 20

<210> 7
 <211> 17
 <212> DNA
 <213> Artificial Sequence

<220>
<223> Primer of 16s rDNA of Saccharothrix 44442 and Saccharothrix 45494

<400> 7
attagatacc ctggtag 17

<210> 8
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer of 16s rDNA of Saccharothrix 44442 and Saccharothrix 45494

<400> 8
agaaaggagg tgatccagcc 20

<210> 9
<211> 18
<212> DNA
<213> Artificial Sequenc e

<220>
<223> Primer of 16s rDNA of Saccharothrix 44442 and Saccharothrix 45494

<400> 9
gwattaccgc ggckgctg 18

<210> 10
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer of 16s rDNA of Saccharothrix 44442 and Saccharothrix 45494

<400> 10
tacgggaggc agcag 15

<210> 11
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer of 16s rDNA of Saccharothrix 44442 and Saccharothrix 45494

<400> 11
ctgctgcctc ccgta 15

<210> 12
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

<223> Primer of 16s rDNA of Saccharothrix 44442 and Saccharothrix 45494

<400> 12

agaaaggagg tgatccagcc

20